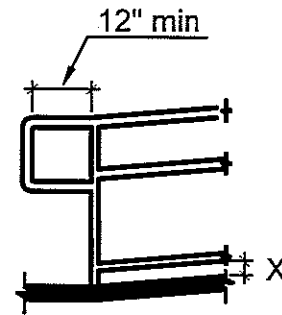
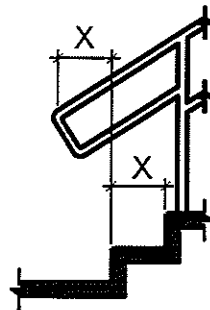


Top and Bottom Handrail  
Extension at Ramps



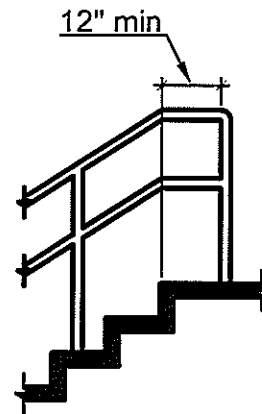
Note:  $X < 4"$

Curb or Barrier Edge Protection

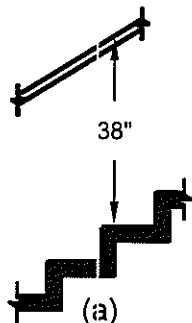


Note:  $X = \text{tread depth}$

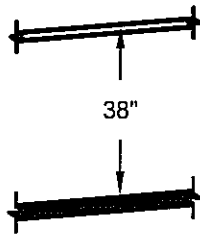
Bottom Handrail Extension at Stairs



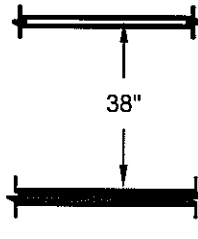
Top Handrail Extension at Stairs



(a)  
stairs

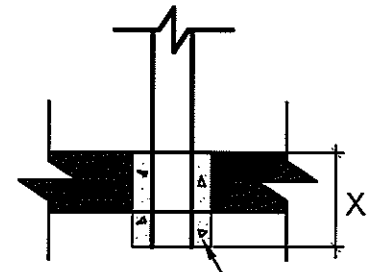


(b)  
ramps



(c)  
walking surfaces

Handrail Height



Note:  $X = 6"$

High Strength Grout

Base Mounting Detail

See ST-222, Page 2 for Handrail  
Construction Notes

NOT TO SCALE

METROPOLITAN GOVERNMENT OF  
NASHVILLE AND DAVIDSON COUNTY  
DEPARTMENT OF PUBLIC WORKS

Standard Pipe  
Handrail

DWG. NO. ST-222  
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*Mark May*

DATE: 12/07/09

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REVISED:

## Handrail Notes:

1. Handrail system shall provide a smooth and continuous gripping surface. Handrail gripping surfaces and adjacent surfaces shall be free of sharp or abrasive elements and shall have rounded edges.
2. The handrail system shall conform to the Access-Board publication, Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines, July 23, 2004.
3. Aluminum Pipe for Rails and Posts  
The handrail system shall be constructed from extruded aluminum pipe ASTM B429, ASTM B241, or 6063-T6 aluminum alloy; finish to be selected prior to fabrication.  
Coating Required: Where embedded in concrete, aluminum posts must be protected with bituminous or asphalt base paint or other inert or insulating coatings as approved by the Department of Public Works.  
Nominal pipe diameter-  $1\frac{1}{2}$ " Schedule 40, outside diameter 1.90", wall thickness 0.145
4. Steel Pipe for Rails and Posts  
The handrail system shall be constructed from Grade 304 stainless steel.  
Nominal pipe diameter-  $1\frac{1}{2}$ " Schedule 40S, outside diameter 1.90", wall thickness 0.145"
5. Weld all joints in conformance with AWS. All welds shall be ground smooth and brushed to match rail finish.

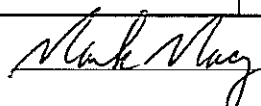
NOT TO SCALE

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Standard Pipe  
Handrail Notes

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